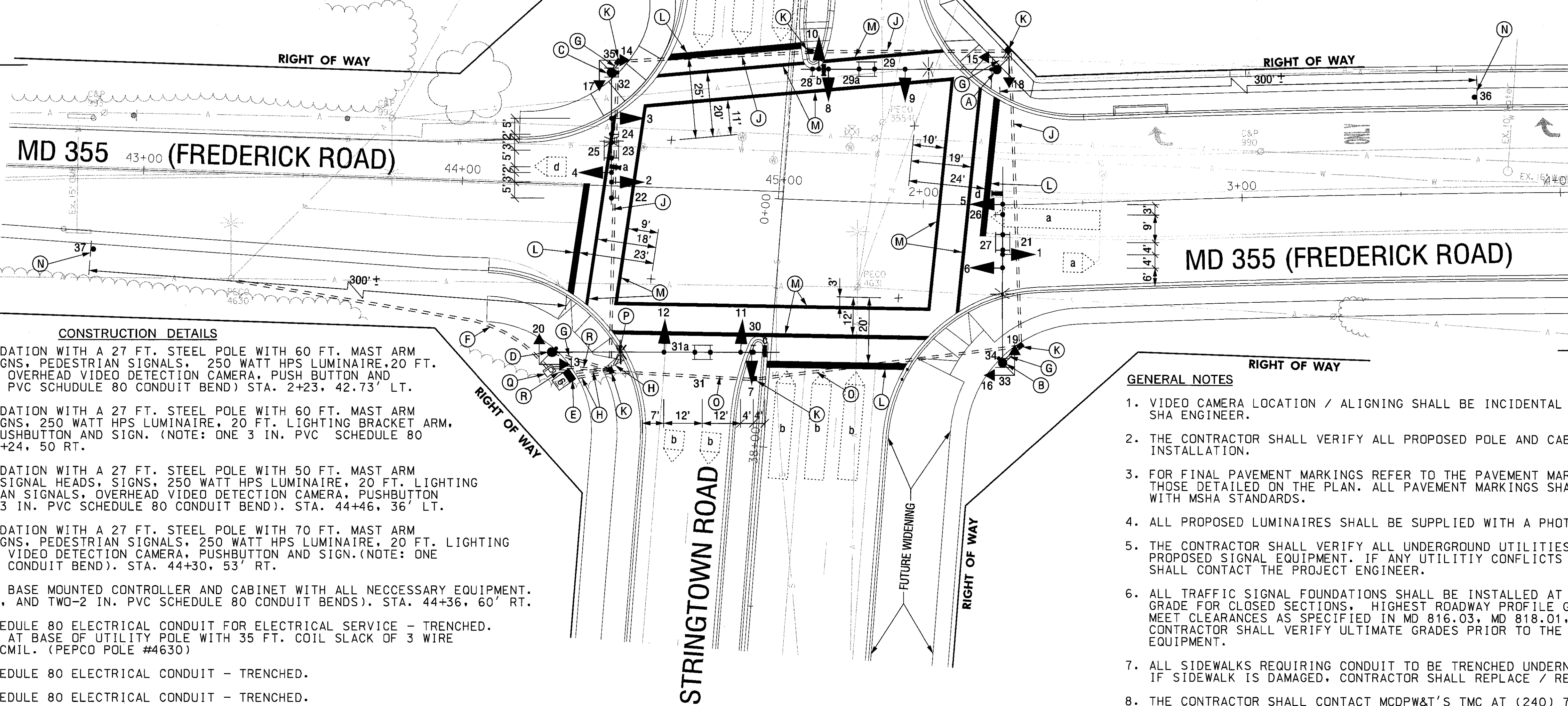
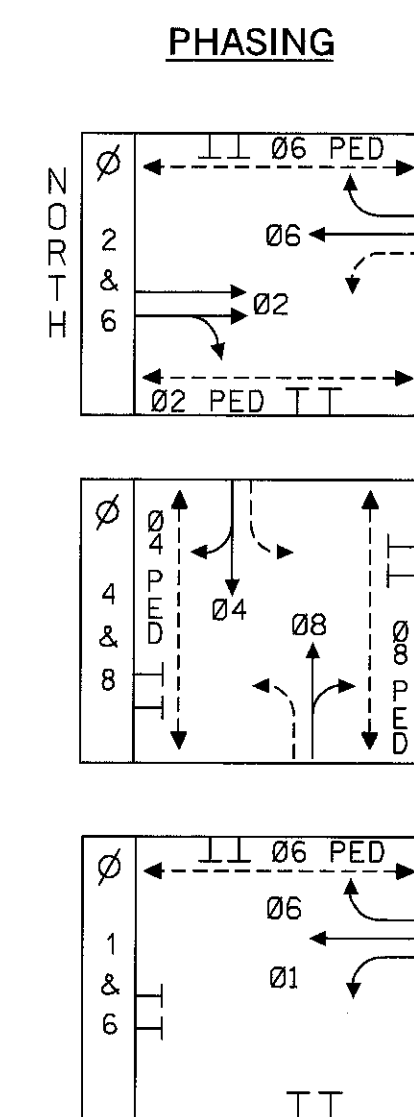
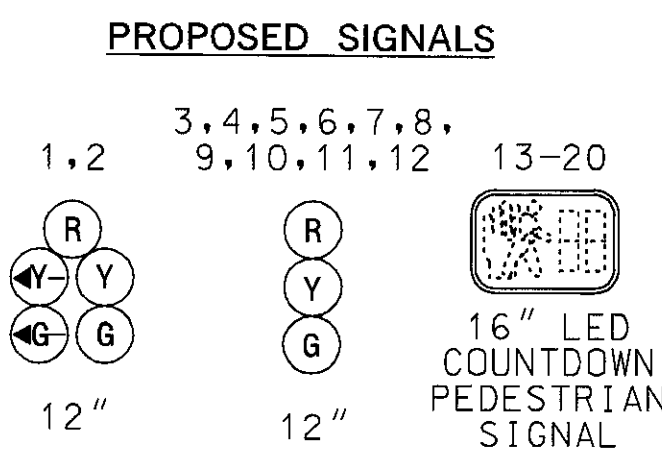
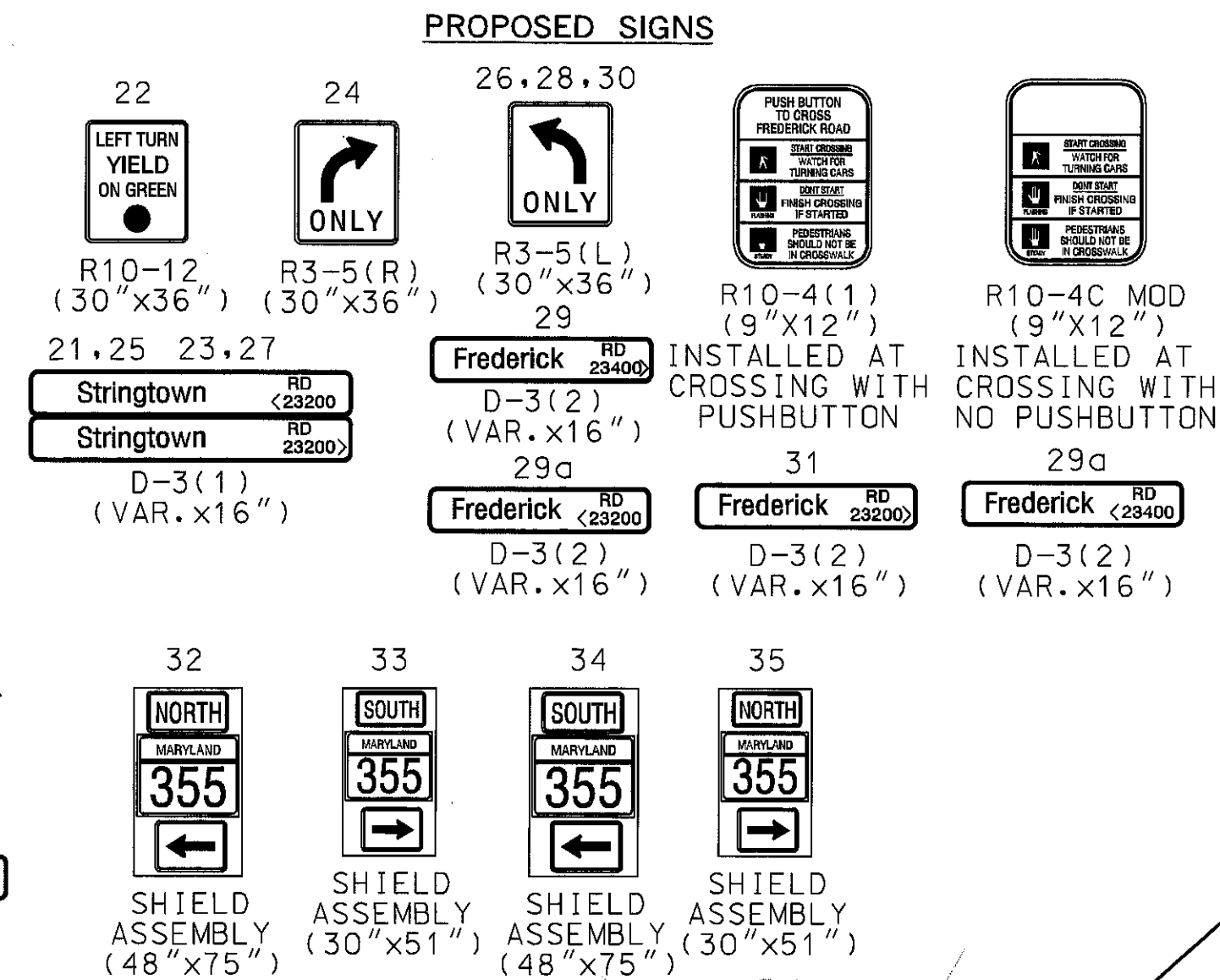
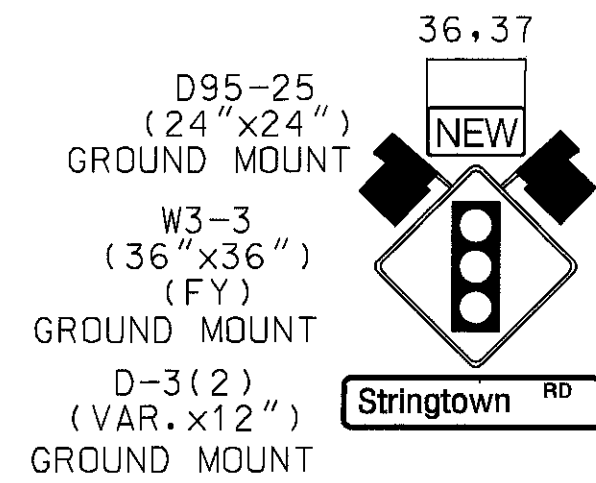


FILE: C:\1999\36 Task 2 stringtown.dwg Signal & Signal stringtown.dwg  
DATE: 12-30-05 10:00

MD 355 IS ASSUMED TO RUN  
IN A NORTH / SOUTH DIRECTION



**CONSTRUCTION DETAILS**

- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING BRACKET ARM, OVERHEAD VIDEO DETECTION CAMERA, PUSH BUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 2+23, 42.73' LT.
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 60 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING BRACKET ARM, PEDESTRIAN SIGNALS, OVERHEAD VIDEO DETECTION CAMERA, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 2+24, 50 RT.
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARM (CUT TO 40 FT.) WITH SIGNAL HEADS, SIGNS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING BRACKET ARM, PEDESTRIAN SIGNALS, OVERHEAD VIDEO DETECTION CAMERA, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 44+46, 36' LT.
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, 250 WATT HPS LUMINAIRE, 20 FT. LIGHTING BRACKET ARM, OVERHEAD VIDEO DETECTION CAMERA, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 44+30, 53' RT.
- INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ALL NECESSARY EQUIPMENT. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA. 44+36, 60' RT.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB UP CONDUIT BEND AT BASE OF UTILITY POLE WITH 35 FT. COIL SLACK OF 3 WIRE 1 CONDUCTOR NO. 250 KCMIL. (PEPCO POLE #4630)
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- INSTALL HANDHOLE.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- INSTALL SIGNS D95-25 PANEL, W3-3, D3(2) AND FLAGS (GROUND MOUNT) ONTO 4 IN. X 6 IN. WOOD POST.
- INSTALL TWO (2) 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- USE EXISTING HANDHOLE.
- INSTALL 200 AMP METER SERVICE PEDESTAL

**GEOMETRIC LEGEND**

EXISTING  
PROPOSED

**UTILITY LEGEND**

SD STORM DRAIN  
G GAS MAIN  
W WATER MAIN  
S SEWER MAIN  
E ELECTRIC CABLES  
A AERIAL CABLES  
T TELEPHONE CABLES  
F FIBER-OPTIC

**GENERAL NOTES**

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE INCIDENTAL AND BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL SIDEWALKS REQUIRING CONDUIT TO BE TRENCHED UNDERNEATH SHALL BE DONE WITH CARE. IF SIDEWALK IS DAMAGED, CONTRACTOR SHALL REPLACE / REPAIR SIDEWALK AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL CONTACT MCDPW&T'S TMC AT (240) 777-2100 (72) HOURS PRIOR TO ANY EXCAVATION TO MARK EXISTING UNDERGROUND TRAFFIC SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

R. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION ROCKVILLE, MARYLAND	
RECOMMENDED BY CHIEF, TRANS. SYSTEM MANAGEMENT SECTION	APPROVED BY CHIEF, DIV. OF TRAFFIC AND PARKING SERVICES
REVIEWED BY ENGINEERING SERVICES SPECIALIST DIV. OF TRAFFIC AND PARKING SERVICES	APPROVED BY CHIEF, DIV. OF TRAFFIC AND PARKING SERVICES
SABRA, WANG & ASSOCIATES, INC. 1504 JOH AVE SUITE 160 BALTIMORE, MD 21227 (410) 737-6564	

REVISIONS	APPROVALS
	Michael R. Baker 3-25-05 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	J. H. H. 3-29-05 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	3-29-05 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	3-29-05 DIRECTOR, OFFICE OF TRAFFIC & SAFETY

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION TRAFFIC SIGNAL PLAN MD 355 (FREDERICK ROAD) AT STRINGTOWN ROAD/EXTENDED			
DRAWN BY: S. SMITH	F.A.P. NO. N/A	TS NO. 4325	SHEET NO. 55 OF 79
CHECKED BY: S. RENZI	S.H.A. NO. 500403	T.I.M.S. NO. G-365	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	LOG MILE: 15035522.64	
DATE: 03/09/05			